

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR UTILITY PATENT APPLICATION**

Attorney's Docket No.

P2417-524

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

"MATRIX MULTIPLICATION IN A VECTOR PROCESSING SYSTEM"

the specification of which

(check one)

☒ is attached hereto;

☐ was filed on \_\_\_\_\_ as

Application No. \_\_\_\_\_

and was amended on \_\_\_\_\_;  
(if applicable)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

| <b>COMBINED DECLARATION AND POWER OF ATTORNEY</b>   |                    |                                      | Attorney's Docket No.<br>P2417-524 |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
|---|--------------------|--------------------------------------|------------------------------------|------------------------|-------------------|--------|------------------|--------|-----------------|--------|-------------------|--------|-------------------|--------|----------------|--------|-----------------|--------|--------------------|--------|--------------------|--------|-----------------------|--------|--------------------|--------|----------------------|--------|--------------------|--------|------------------|--------|-----------------|--------|---------------|--------|---------------------|--------|----------------|--------|------------------|--------|-------------------|--------|------------------------|--------|------------|--------|-------------|--------|------------------|---------|-----------------------|--------|----------------|--------|-----------------|--------|--|--|------------------|---------|--|--|
| COUNTRY/INTERNATIONAL   | APPLICATION NUMBER | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED                   |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
|   |                    |                                      | YES NO                             |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
|   |                    |                                      | YES NO                             |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| <p>I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">William L. Mathis</td> <td style="width: 10%;">17,337</td> <td style="width: 33%;">James A. LaBarre</td> <td style="width: 10%;">28,632</td> <td style="width: 14%;">William H. Benz</td> <td style="width: 10%;">25,952</td> </tr> <tr> <td>Plakon N. Mandros</td> <td>22,124</td> <td>James W. Peterson</td> <td>26,057</td> <td>Peter K. Skiff</td> <td>31,917</td> </tr> <tr> <td>Alan E. Kopecki</td> <td>25,813</td> <td>William C. Rowland</td> <td>30,888</td> <td>Richard J. McGrath</td> <td>29,195</td> </tr> <tr> <td>Samuel C. Miller, III</td> <td>27,360</td> <td>T. Gene Dillabuntz</td> <td>25,423</td> <td>Manfred L. Schneider</td> <td>32,814</td> </tr> <tr> <td>Kenneth B. Leffler</td> <td>36,075</td> <td>Patrick C. Keane</td> <td>32,858</td> <td>Gerald F. Swiss</td> <td>30,113</td> </tr> <tr> <td>Allen R. Baum</td> <td>36,086</td> <td>Bruce J. Boggs, Jr.</td> <td>32,344</td> <td>Michael J. Ure</td> <td>33,089</td> </tr> <tr> <td>Steven M. duBois</td> <td>35,023</td> <td>Susan E. Heminger</td> <td>36,449</td> <td>Charles F. Wieland III</td> <td>33,096</td> </tr> <tr> <td>Mark Aaker</td> <td>32,667</td> <td>Richard Liu</td> <td>34,377</td> <td>Mark R. Kresloff</td> <td>P42,766</td> </tr> <tr> <td>Helene Flodca Workman</td> <td>35,981</td> <td>Nancy R. Simon</td> <td>36,930</td> <td>Edward W. Scott</td> <td>36,000</td> </tr> <tr> <td></td> <td></td> <td>Michael A. Wrenn</td> <td>P42,237</td> <td></td> <td></td> </tr> </table> |                    |                                      |                                    |                        | William L. Mathis | 17,337 | James A. LaBarre | 28,632 | William H. Benz | 25,952 | Plakon N. Mandros | 22,124 | James W. Peterson | 26,057 | Peter K. Skiff | 31,917 | Alan E. Kopecki | 25,813 | William C. Rowland | 30,888 | Richard J. McGrath | 29,195 | Samuel C. Miller, III | 27,360 | T. Gene Dillabuntz | 25,423 | Manfred L. Schneider | 32,814 | Kenneth B. Leffler | 36,075 | Patrick C. Keane | 32,858 | Gerald F. Swiss | 30,113 | Allen R. Baum | 36,086 | Bruce J. Boggs, Jr. | 32,344 | Michael J. Ure | 33,089 | Steven M. duBois | 35,023 | Susan E. Heminger | 36,449 | Charles F. Wieland III | 33,096 | Mark Aaker | 32,667 | Richard Liu | 34,377 | Mark R. Kresloff | P42,766 | Helene Flodca Workman | 35,981 | Nancy R. Simon | 36,930 | Edward W. Scott | 36,000 |  |  | Michael A. Wrenn | P42,237 |  |  |
| William L. Mathis   | 17,337             | James A. LaBarre                     | 28,632                             | William H. Benz        | 25,952            |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Plakon N. Mandros   | 22,124             | James W. Peterson                    | 26,057                             | Peter K. Skiff         | 31,917            |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Alan E. Kopecki   | 25,813             | William C. Rowland                   | 30,888                             | Richard J. McGrath     | 29,195            |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Samuel C. Miller, III   | 27,360             | T. Gene Dillabuntz                   | 25,423                             | Manfred L. Schneider   | 32,814            |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Kenneth B. Leffler  | 36,075             | Patrick C. Keane                     | 32,858                             | Gerald F. Swiss        | 30,113            |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Allen R. Baum   | 36,086             | Bruce J. Boggs, Jr.                  | 32,344                             | Michael J. Ure         | 33,089            |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Steven M. duBois  | 35,023             | Susan E. Heminger                    | 36,449                             | Charles F. Wieland III | 33,096            |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Mark Aaker  | 32,667             | Richard Liu                          | 34,377                             | Mark R. Kresloff       | P42,766           |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Helene Flodca Workman   | 35,981             | Nancy R. Simon                       | 36,930                             | Edward W. Scott        | 36,000            |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
|   |                    | Michael A. Wrenn                     | P42,237                            |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| <p>and: <u>Philip W. Marsh, Reg. No. 46,061</u></p>   |                    |                                      |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| <p>Address all correspondence to: <u>James W. Peterson</u><br/> <u>BURNS, DOANE, SWECKER &amp; MATHIS, L.L.P.</u><br/> <u>P.O. Box 1404</u><br/> <u>Alexandria, Virginia 22313-1404</u></p>   |                    |                                      |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| <p>Address all telephone calls to: <u>James A. LaBarre</u> at (703) 836-6620.</p>   |                    |                                      |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>  |                    |                                      |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| FULL NAME OF SOLE OR FIRST INVENTOR   |                    | SIGNATURE                            |                                    | DATE                   |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Ali SAZEGARI  |                    | <i>Ali Sazegari</i>                  |                                    | 3/21/01                |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| RESIDENCE   |                    | CITIZENSHIP                          |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Post Office Box 593, Cupertino, California 95015-0593, UNITED STATES OF AMERICA   |                    | United States of America             |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| POST OFFICE ADDRESS   |                    |                                      |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| Post Office Box 593, Cupertino, California 95015-0593, UNITED STATES OF AMERICA   |                    |                                      |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| FULL NAME OF SECOND JOINT INVENTOR, IF ANY  |                    | SIGNATURE                            |                                    | DATE                   |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| RESIDENCE   |                    | CITIZENSHIP                          |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| POST OFFICE ADDRESS   |                    |                                      |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| FULL NAME OF THIRD JOINT INVENTOR, IF ANY   |                    | SIGNATURE                            |                                    | DATE                   |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| RESIDENCE   |                    | CITIZENSHIP                          |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |
| POST OFFICE ADDRESS   |                    |                                      |                                    |                        |                   |        |                  |        |                 |        |                   |        |                   |        |                |        |                 |        |                    |        |                    |        |                       |        |                    |        |                      |        |                    |        |                  |        |                 |        |               |        |                     |        |                |        |                  |        |                   |        |                        |        |            |        |             |        |                  |         |                       |        |                |        |                 |        |  |  |                  |         |  |  |